APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY

Wisconsin Department of Transportation

DT1553 8/2022 s. 66.0831, 84.01(31), 84.08, 85.15, 86.07(2)(a), 86.16, 182.017 and other applicable Wis. Stats.

1. Applicant (Utility facility owner) Name and Address

Lake Delton Police Department
50 Wisconsin Dells Pkwy S
Lake Delton, WI 53940

2. Work Start Date: Upon Approval

3. Work Finish Date★: 12/31/2023

4. Is the work due to a WisDOT highway project? ☐ Yes ☒ No

5. Applicant Work Order or Project ID # (If any): 277646: WI - Lake Delton PD

6. Public Land Survey System Location (¼ section, section, town, range; **provide plat map**)

Camera #1 NW1/4 SE1/4 S20 T13N R6E
Camera #4 NE1/4 SE1/4 S28 T13N R6E
Camera #5 NE1/4 SE1/4 S28 T13N R6E
Camera #6 NW1/4 SE1/4 S20 T13N R6E

7. Municipal/County Location (List all that apply)

Town:
Village: Lake Delton
City:
County: Sauk

8. Highway (List all that apply)

WIS: 23
US: 12
Interstate:

Provide a separate location map if the plat map is not adequate.

9. Facility Type (Check all that apply) and Description (Size, material, voltage, pressure, # fibers, etc.)

☒ Comm: ALPR Camera
☐ Electric:
☐ Gas/Oil:
☐ Water:
☐ Sewer:
☐ Casing:
☐ Conduit:
☐ _____:

☒ Transmission ☐ Service
☐ Distribution ☐ Service (ESCP)

10. Facility Orientation (Check all that apply)

☐ Underground ☒ Overhead
☐ Crossing ☒ Parallel
☐ OSOW high clearance route
☐ Bridge attachment
☐ Scenic easement (Off right-of-way)

11. Work Types (Check all that apply)

☒ New facility ☐ Remove
☐ Joint install ☐ Maintenance
☐ Improve or repair existing ☐ Discontinue, left in place

12. Proposed Work Methods (Check all that apply)

☐ Trench ☐ Plow
☐ Place fill ☐ Rock blasting
☐ Place cable in conduit ☐ Open cut pavement
☒ Hand/mechanical excavation

Bore:
☐ Hydraulic (Auger/Jack/Tunnel)
☐ Pneumatic (Mole)
☐ Directional 1 (Manually tracked)
☐ Directional 2 (Computer tracked)
☐ Unknown (At this time)

Install or attach to poles/towers:
☐ New ☒ Existing ☐ Guys
_____ (~Diameter) Village of Lake Delton (Name of existing owner)
(Provide details for all guy wires on plan sheets)

Pothole (Subsurface excavation):
☐ Air ☐ Water

Tree/vegetation control:
☐ Trim (Prune) ☐ Plant
☐ Remove (Cut) ☐ Mow
☐ Chemically treat

13. Work Zone Description **(Check all that apply)**. (Provide relevant diagram(s) with application.)

☐ Not applicable
☐ Full road closure: detour
☐ Full road closure: temporary
☒ Lane closure without flagging
☐ Lane closure with flagging
☐ Lane encroachment (2 feet or less)
☐ Shoulder/parking lane closure
☒ Turn lane closure
☐ Sidewalk or trail closure
☐ Terrace (Area from curb to sidewalk)
☐ Off shoulder/parking lane
☐ Near right-of-way line or fence
☐ Freeway/expressway
☐ Intersection/roundabout
☐ Railroad crossing
☐ Mobile operation

14. Is the facility near a survey monument? HMM 09-15-35 If yes, call (866) 568-2852 or email geodetic@dot.wi.gov.
☐ Yes ☒ No

15. Will appurtenances be installed with the facility? If yes, provide a description and/or specification for each item.
☒ Yes ☐ No

16. Trans 401 category? If Major, provide a formal erosion control plan. HMM 09-15-55
☐ Major ☒ Minor

17. Is the Environmental Checklist included? See HMM 09-15-16 Attachment 1. WisDOT will not review a permit application until a completed Checklist is submitted.
☒ Yes ☐ No

★ **Includes permanent restoration. If the permitted work has not started by the "Work Finish Date," this permit is null and void. If the permitted work has started but has not been completed by the "Work Finish Date," the work shall not be completed unless authorized through an approved written time extension or a subsequent permit.** ***ANY PERMIT ISSUED IS REVOCABLE.***

18. Utility Person Responsible for Construction: Erica Rios — Telephone Number: (385) 201-0725

19. Utility or Project 24/7 Emergency Contact: Erica Rios — Telephone Number: (385) 201-0725

20. Provide company name and address of utility authorized representative if not employed by the applicant.
Flock Safety
1170 Howell Mill Rd NW, Suite 210,
Atlanta, GA 30318

21. Provide additional work details, if needed (use back page or include separate pages)

Installation of four automated license plate reader (ALPR) cameras.

It is understood and agreed that WisDOT approval is subject to the applicant's full compliance with all pertinent statutes, as well as any regulations and rules of other jurisdictional agencies (which may be more restrictive), any supplemental permit provisions, and WisDOT's *Utility Accommodation Policy*, current edition.

Daniel D. Hardman 06/12/2023
(Utility Authorized Representative Signature – If filled via computer, brush script font) (Date)

Chief (608) 254-7571 dhardman@lakedeltonpd.org
(Title) (Telephone Number) (Email Address)

This permit does not transfer any land, or give, grant or convey any land right, right in land, or easement in WisDOT right-of-way. It is not assignable or transferrable. If the utility facility changes ownership, this permit terminates. The new owner must then obtain a permit to occupy, operate and maintain the facility in WisDOT right-of-way.

⬇ Completed by Wisconsin Department of Transportation – REVIEW AFTER PERMIT ISSUANCE ⬇

☒ **UTILITY SHALL NOTIFY WISDOT REPRESENTATIVE LISTED BELOW 3 DAYS BEFORE STARTING ANY WORK:**
Region contact, office address, telephone number and email address

Noah Dufoe-Guiles, Utility Permit Coordinator
Wisconsin DOT
Southwest Region - La Crosse
3550 Mormon Coulee Rd
La Crosse, WI 54601
swutilitypermits@dot.wi.gov (608) 246-5629

4822 Madison Yards Way, 5th Floor South, Madison, WI 53705 kathy.jennings@dot.wi.gov (608) 261-8976
(Bureau of Highway Maintenance Contact Information)

☒ **Review All Supplemental Permit Provisions**
☒ **Revisions Made to Drawings or Other Pages**
☒ Lane Closure System notification required HMM 09-15-60
☐ Insurance or performance bond required
☐ Joint installation: See permit(s) #_____
☐ Private utility (Non-public ownership and/or use)
☐ Expedited Service Connection Permit
☐ This permit voids & supersedes #_____ issued:_____
☐ _____

Kathy Jennings
(WisDOT Authorized Representative Signature – If filled via computer, Brush Script font)

Application Received	06/18/2023
Application Completed	06/18/2023
Permit Issued	07/13/2023
Permit Extended	
Permit Amended	11/09/2023
Permit Number	**001485-A1**

APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY *(continued)*

Wisconsin Department of Transportation DT1553

Use this section to provide information that does not fit on front page

INDEMNIFICATION

This Applicant shall save and hold the State, its officers, employees, agents, and all private and governmental contractors and subcontractors with the State under Chapter 84 Wisconsin Statutes harmless, as allowed by Wisconsin law, from actions of any nature whatsoever (including any by Applicant itself) which arise out of, or are connected with, or are claimed to arise out of or be connected with any of the work done by the Applicant, or the construction or maintenance of facilities by the Applicant, pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way, (1) while the Applicant is performing its work, or (2) while any of the Applicant's property, equipment, or personnel, are in or about such place or the vicinity thereof, or (3) while any property constructed, placed or operated by or on behalf of Applicant remains on the State's property or right-of-way pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way; including without limiting the generality of the foregoing, all liability, damages, loss expense, claims, demands and actions on account of personal injury, death or property loss to the State, its officers, employees, agents, contractors, subcontractors or frequenters; to the Applicant, its employees, agents, contractors, subcontractors, or frequenters; or to any other persons, whether based upon, or claimed to be based upon, statutory (including, without limiting the generality of the foregoing, worker's compensation), contractual, tort, or whether or not caused or claimed to have been caused by active or inactive negligence or other breach of duty by the State, its officers, employees, agents, contractors, subcontractors or frequenters; Applicant, its employees, agents, contractors, subcontractors or frequenters; or any other person.

Without limiting the generality of the foregoing, the liability, damage, loss, expense, claims, demands and actions indemnified against shall include all liability, damage, loss, expense, claims, demands and actions for damage to any property, lines or facilities placed by or on behalf of the Applicant pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way in the past or present, or that are located on any highway or State property or right-of-way with or without a permit issued by the State, for any loss of data, information, or material; for trademark, copyright or patent infringement; for unfair competition or infringement of personal or property rights of any kind whatever. The Applicant shall at its own expense investigate all such claims and demands, attend to their settlement or other disposition, defend all actions based thereon and pay all charges of attorneys and all other costs and expenses of any kind arising from any such liability, damage, loss, claims, demands and actions.

Any transfer, whether voluntary or involuntary, of ownership or control of any property constructed, placed or operated by or on behalf of the Applicant that remains on the State's property or right-of-way pursuant to this permit shall not release Applicant from any of the indemnification requirements of this permit, unless the State is notified of such transfer in writing. Any acceptance by any other person or entity, whether voluntary or involuntary, of ownership or control of any property constructed, placed or operated by or on behalf of the Applicant that remains on the State's property or right-of-way pursuant to this permit, shall include acceptance of all of the indemnification requirements of this permit by the other person or entity receiving ownership or control.

SUPPLEMENTAL PERMIT PROVISIONS
Lake Delton Police Department
Automated License Plate Reader Cameras
Permit #001485 – Issued 7/13/23
US 12 & WIS 23
Village of Lake Delton
Sauk County

PROJECT DESCRIPTION. The Lake Delton Police Department (LDPD) is installing four automated license plate reader (ALPR) cameras within state highway right-of-way as an aid in preventing and solving crimes. The use of the cameras is considered a communications-type utility and is allowed under WisDOT's Utility Accommodation Policy HMM 09-15-65, 4.1.

1. **LEGAL USE.** Surveillance cameras shall only be used as allowed by Wisconsin statutes. For example, the use of cameras is currently *prohibited* to enforce red light running at traffic signals.

2. **EXCEPTION TO POLICY.** The Federal Highway Administration (FHWA) has granted approval for an exception to WisDOT's policy HMM 09-15-25, 7.0 and will allow the installation of aboveground utilities (cameras) in the median on the Village owned light poles. The Village currently maintains the light poles, and any additional costs due to the installation and/or maintenance of the cameras is the responsibility of the Village. (see page 6)

3. **REVOCATION BY WisDOT.** WisDOT may revoke this permit if its own use or sale of the right-of-way (ROW) would be facilitated by relocation of LDPD's facility and shall provide LDPD with written notice a minimum of one year prior to such revocation. During this period, WisDOT shall work with LDPD to find a suitable replacement area on ROW near the terminated location. WisDOT shall not compensate LDPD to move its facility within the ROW in keeping with WisDOT's policy on compensable and non-compensable utility facility moves. If it is necessary to maintain uninterrupted service, LDPD shall be allowed to temporarily locate in WisDOT ROW at a mutually acceptable location for up to 180 days during the relocation of its facilities to the permanent site.

4. **PERMIT TERM.** This permit is valid for as long as LDPD continues to own, operate and maintain its facilities within WisDOT ROW in accordance with the terms of its permit and WisDOT's Utility Accommodation Policy.

5. **TERMINATION BY PERMITTEE.** LDPD may terminate this permit upon 30 days written notice to WisDOT. Upon such termination, LDPD shall remove its facility from the ROW unless WisDOT notifies LDPD that WisDOT will take over operation and maintenance of the facility for its own traffic operations.

6. **WORK RESTRICTIONS.** Due to high tourist traffic volumes between Memorial Day and Labor Day, LDPD is only authorized to close a lane at night (6 pm to 6 am) between these dates. After Labor Day, work is authorized on weekdays between sunrise and sunset. Weekend work may be allowed upon prior approval from WisDOT. No work shall be done, and all work zone traffic control shall be removed, when the pavement is covered with ice or snow, or during winter maintenance pavement brining applications, salt spreading, or plowing operations.

7. **WORK ZONE TRAFFIC CONTROL (WZTC).** All WZTC shall be in accordance with the Wisconsin Manual on Uniform Traffic Control Devices or the Work Zone Field Manual. All materials and equipment shall remain off the roadway. Traffic Control shall not encroach on the travel lane. Do not park vehicles, store materials, or place signs/devices on a pedestrian facility that remains open to the public. The use of law enforcement to block a traffic lane is an acceptable use of WZTC for short-duration installations as long as it is not on an interstate, freeway or expressway.

8. **LANE CLOSURE SYSTEM NOTIFICATION.** To satisfy LCS requirements for WisDOT's 511 System, LDPD shall notify WisDOT a minimum of ***seven calendar days*** prior to ***any lane or shoulder closure***. LDPD may use the LCS Notification Worksheet if needed and submit it to WisDOT's Joe Schneider (608) 789-5959 for review. WisDOT may revise the information, but LDPD shall enter it into LCS unless notified by WisDOT that it will perform the entries. For **emergency** situations when any type of shoulder, lane, or road closure is required, LDPD shall call WisDOT's Traffic Management Center at 800-375-7302.

TABLE 108-1 CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION TO WISDOT

Closure type **with** height, weight, or width restrictions (available width, all lanes in one direction **< 16'**)	MINIMUM NOTIFICATION
Lane and shoulder closures	7 calendar days
Full roadway closures	7 calendar days
Ramp closures	7 calendar days
Detours	7 calendar days
Closure type **without** height, weight, or width restrictions (available width, all lanes in one direction **≥16'**)	MINIMUM NOTIFICATION
Lane and shoulder closures	3 business days
Ramp closures	3 business days

9. **PEDESTRIAN ACCOMMODATIONS**. If any proposed utility work will impact a pedestrian facility, make appropriate accommodations for all pedestrians, especially those who are visually impaired or must use a personal assistive mobile device (wheelchair, scooter, etc.), in accordance with the Americans with Disabilities Act (ADA) of 1990. Reference the Facilities Development Manual 11-50-31 for additional temporary pedestrian accommodation guidance. Use materials conforming to Section 644 of WisDOT's Standard Specifications for temporary pedestrian accommodations.

   Assist pedestrians and those persons in wheelchairs or other personal assistive mobility devices as needed to safely navigate the work area. The contractor shall either keep the existing path open, safe, and clean for pedestrians or provide alternative temporary accommodations that comply with the FDM and SDD 15D30.

10. **WORK AREA PROTECTION DURING NON-WORK TIMES.** LDPD shall store its equipment and materials off the ROW during non-work times if possible. If necessary, LDPD may store its equipment and materials on the ROW provided they are placed as close to the ROW line as possible and outside the clear zone. LDPD shall ensure that any excavation left open during non-work times is well marked and secured from public intrusion.

11. **ROW RESTORATION.** LDPD shall restore any WisDOT ROW disturbed to its original (as best as practical) condition within **two weeks** after installing its facilities. WisDOT may allow time extensions for restoration in the case of inclement weather, poor soil conditions, or if LDPD's operations would track over the same disturbed areas – provided that proper erosion control devices are in place to protect the disturbed areas.

    Should future maintenance work on LDPD's facilities result in the disturbance of the existing ROW, LDPD shall restore the ROW to its original condition as soon as possible. The basic drainage pattern of the highway shall remain undisturbed by the permitted work. Upon project completion, all spoils, debris, refuse, and waste resulting from the permitted work shall be removed from the work site. Send pictures of completed installations to DOT CO ROW Permits.

12. **CONSTRUCTION NOTIFICATIONS.** LDPD shall contact the Southwest Region utility permit coordinator, Noah Dufoe-Guiles (608) 246-5629 or swutilitypermits@dot.wi.gov at least three working days prior to the start of construction. LDPD shall call Diggers' Hotline 800-242-8511 at least three working days prior to the start of any excavation. LDPD shall provide WisDOT with the names and telephone numbers of the people in charge of its field operations. This includes people who are responsible for the overall project or separate crews and includes any contractors hired by LDPD.

13. **LONGITUDINAL & VERTICAL LOCATION**. LDPD shall place its facilities as shown on the approved permit drawings. Deviations from this location may be allowed but shall first be approved by WisDOT. Revised plan sheets showing the approved deviations should be sent to WisDOT after completion. Proposed pole locations shall be a minimum of 10 ft from existing poles and signs.

14. **EROSION CONTROL.** A formal erosion control plan is not required if LDPD can perform construction in accordance with HMM 09-15-55 and Trans 401. However, if any excavation remains open for more than 24 hours, then a formal erosion control plan shall be submitted to WisDOT and this provision revised accordingly. In either case, LDPD shall use the appropriate erosion control best management practices (BMPs) to contain soil directly at the site to prevent disturbed soil from getting into nearby waterways and wetlands. Storm sewer and pipe underdrain inlets shall be protected with filter fabric if necessary.

    All appropriate erosion control BMPs shall be in place **prior to starting construction activities**. Temporary seeding shall be used as necessary after rough grading and before project completion. LDPD shall ensure that erosion control measures used to protect restored areas remain in place until replacement vegetation achieves sustained growth. Rutting due to vehicle or equipment tracks shall be smoothed out at the end of each day. LDPD shall take every precaution necessary to prevent mud, dirt, or other debris from being deposited onto a travel lane or shoulder. Any materials deposited on the pavement shall be promptly removed.

15. **PERMIT AT SITE.** During the performance of work described in this permit, LDPD and/or its contractor(s) or subcontractor(s) shall have a fully signed and executed copy of the permit on site, **which may in electronic format**. Failure to do so may cause a temporary shutdown of the work. Repeated offenses may cause this permit to become null and void and if so, the work shall not be completed unless authorized through a subsequent permit.

16. **WisDOT MAINTENANCE COORDINATION.** LDPD shall contact Dave Benish, WisDOT Maintenance Coordinator, (608) 860-0264 or david.benish@dot.wi.gov if there are any highway maintenance, operation, or related issues.

Lane Closure System (LCS) Notification Worksheet

(Permittee will enter the data into the LCS)

General Section:

1. Permit Number
2. General Description (brief description of the type of work)
3. County (Begin/End if different)
   Sauk
4. Highway/Direction
5. Primary Contact (WisDOT Regional Permit Coordinator)
6. Emergency Traffic Control Contractor Contact (name/number: 24-hour contact)
7. Secondary Contact (other WisDOT contact names if applicable)
8. Law Enforcement Contact (if applicable)
9. Other Contact (such as contractor or utility name/number)

Each Facility:

1. Type (mainline, ramp, bridge, system interchange)
2. Closure/Restriction (lanes/shoulders affected)
3. Duration (daily/nightly, weekly, continuous, long term)
4. Begin/End Date
5. Begin/End Time
6. Begin/End Location
7. Oversize/Overweight Restrictions (height, width, weight restrictions if applicable)
8. Detour Route (if applicable)

Jennings, Kathy - DOT

From: Pachniak, Josh (FHWA) <joshua.pachniak@dot.gov>
Sent: Wednesday, July 12, 2023 3:21 PM
To: Jennings, Kathy - DOT
Cc: Stertz, David L - DOT; Szymkowski, Rebecca - DOT
Subject: RE: Exception to policy

CAUTION: This email originated from outside the organization.
Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Kathy,

The exception to policy for the Village of Lake Delton to install the cameras is approved.

Thank you,

Josh

From: Jennings, Kathy - DOT <kathy.jennings@dot.wi.gov>
Sent: Tuesday, July 11, 2023 2:31 PM
To: Pachniak, Josh (FHWA) <joshua.pachniak@dot.gov>
Cc: Stertz, David L - DOT <David.Stertz@dot.wi.gov>; Szymkowski, Rebecca - DOT <Rebecca.Szymkowski@dot.wi.gov>
Subject: RE: Exception to policy

CAUTION: This email originated from outside of the Department of Transportation (DOT). Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Josh,

The proposed cameras are going on existing light poles that meet MASH standards. To my knowledge, Flock hasn't tested the crash worthiness of having the camera on the pole.

Kathy

From: Pachniak, Josh (FHWA) <joshua.pachniak@dot.gov>
Sent: Tuesday, July 11, 2023 2:09 PM
To: Jennings, Kathy - DOT <kathy.jennings@dot.wi.gov>
Cc: Stertz, David L - DOT <David.Stertz@dot.wi.gov>; Szymkowski, Rebecca - DOT <Rebecca.Szymkowski@dot.wi.gov>
Subject: RE: Exception to policy

CAUTION: This email originated from outside the organization.
Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Kathy,

Just want to clarify and ask a follow up question. The proposed cameras are going on existing light poles that meet MASH standards, correct? If that is the case, does installing the camera impact the crash worthiness of the existing facility?

Thanks,

Josh

From: Jennings, Kathy - DOT <kathy.jennings@dot.wi.gov>
Sent: Tuesday, July 11, 2023 1:47 PM
To: Pachniak, Josh (FHWA) <joshua.pachniak@dot.gov>
Cc: Stertz, David L - DOT <David.Stertz@dot.wi.gov>; Szymkowski, Rebecca - DOT <Rebecca.Szymkowski@dot.wi.gov>
Subject: Exception to policy

CAUTION: This email originated from outside of the Department of Transportation (DOT). Do not click on links or open attachments unless you recognize the sender and know the content is safe.

Hi Josh,

I'm working with the Village of Lake Delton police department (LDPD) to permit the installation of four Automated License Plate Reader (ALPR) cameras within Village limits.

Lake Delton has a great deal of tourist traffic each year, which also brings an increase of criminal activity. LDPD is very invested in using ALPR cameras as a tool to fight crime, and is having great success with other ALPR cameras currently installed in the Village.

The current issue is regarding the placement of four ALPR cameras in two areas near the major intersections with I-94 (US 12 and WIS 23, map attached). LDPD wants to capture data at these two locations because they are major entrance and exit points to the Village. In order to do this, they have applied for a utility permit to install the cameras on Village-owned light poles, which are located in the median.

WisDOT's current policy HMM 09-15-25, 7.0 does not allow for the installation of aboveground utilities in the median. The poles that the ALPR cameras are typically mounted on do not meet MASH standards, so they are allowed outside the clear zone. The limitation of these ALPR cameras, however, is that they can only capture up to a 24-foot width of traffic lanes. Due to the multiple lanes in these two areas of concern, the placement of an ALPR camera outside the clear zone does not allow it to capture all the information over the multiple lanes.

Having an ALPR camera mounted on a Village light pole in the median would capture the required data because the light poles are closer to the traffic lane. To be clear, the median camera would capture images in lanes 2-3 and the outside cameras captures images in lanes 1-2, so there is an overlap in the center lane. The ALPR cameras do not require electrical and communication connections since they run on solar power and provide data through radio waves.

WisDOT does not have any issues with this installation, and it would not affect the safety, maintenance or operation of the highway. The Village currently maintains the light poles, and any maintenance cost will be the responsibility of the Village. We also concur that it is in the public interest due to the help it would provide LDPD in providing area surveillance and likely be useful in apprehending and prosecuting criminals.

The name of the cameras that LDPD would be using is Flock cameras. Many other law enforcement agencies are also using Flock cameras. All agencies with Flock cameras can share information, which allows all of these agencies to share license plate images to track suspects or assist with AMBER or SILVER alerts.

WisDOT feels that an exception to policy should be granted in this case to allow the installation of four ALPR cameras on the Village light poles in the median. WisDOT is requesting FHWA's concurrence.

Thank you,
Kathy

Kathy Jennings, PE
Wisconsin Department of Transportation
Bureau of Highway Maintenance
4822 Madison Yards Way, 5th Floor South
(608) 261-8976

Flock Safety Tech Specs

License plate reading cameras that capture more evidence for your city.

Dual Solar Panels

- Voltage: 18-20V
- Weight: 25.73 lbs (with hardware)
- Length: 21.25″
- Width: 28″
- Mount: Pole top or side of existing pole

Pole

- DOT breakaway pole - 12′ installed height
- Diameter: 2.875″ OD, 2.125″ ID
- Material: 6061 Aluminum w/ black coating
- Alloy: 6061
- Weight: 32 lbs

Camera

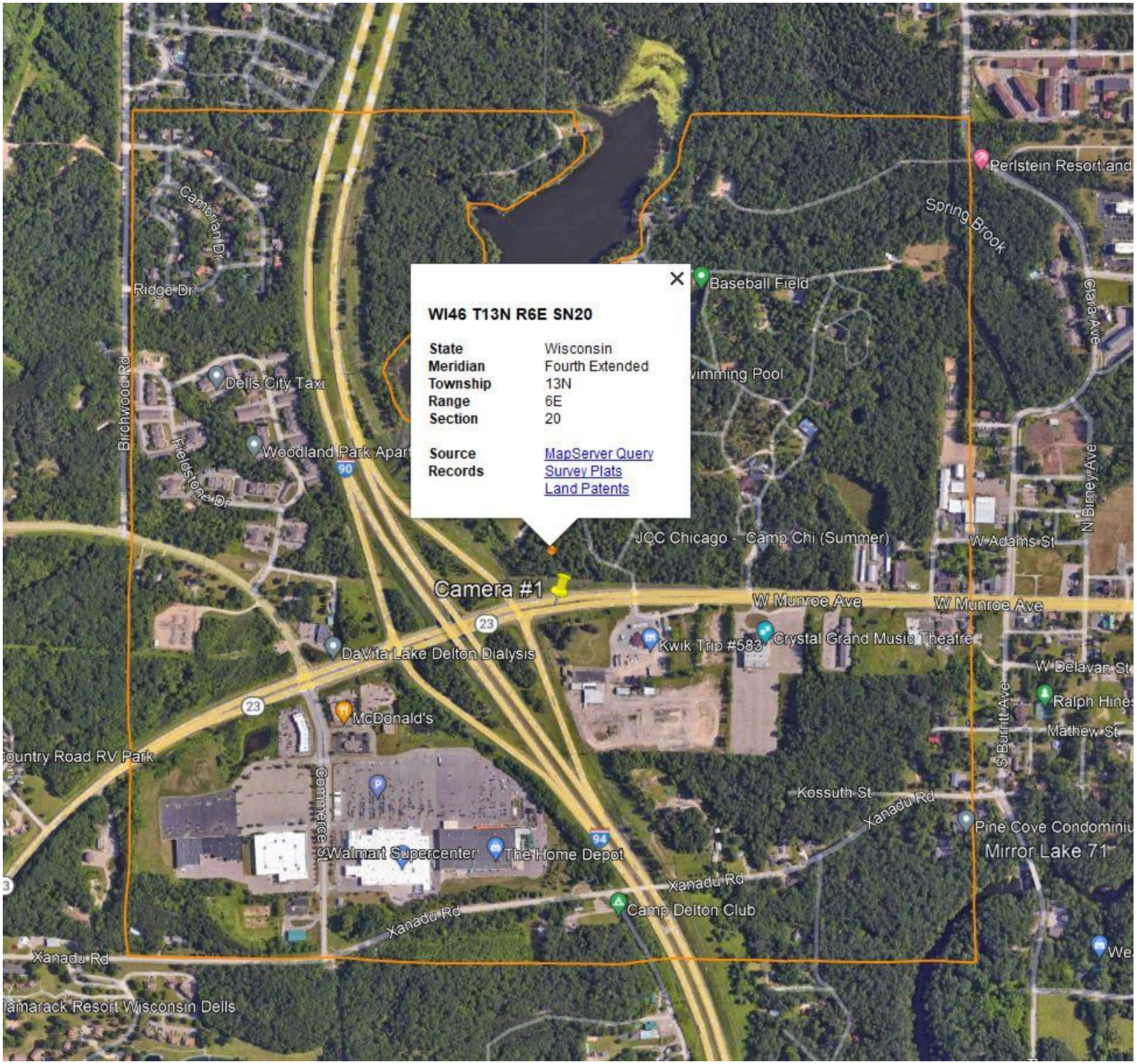
- Length: 10.5″
- Height: 4.5″
- Depth: 5.5″
- Mounting: Adjustable band clamps
- Weight: 3.6 lbs
- Footage: Uploads via LTE
- Capture Distance: 20-90ft from vehicle
- Deployment Distance: Up to 25′ from edge of roadway
- Resolution: 2508x2048
- Vehicle Speed: up to 100 MPH
- Assembly: Flock Safety in Atlanta, GA

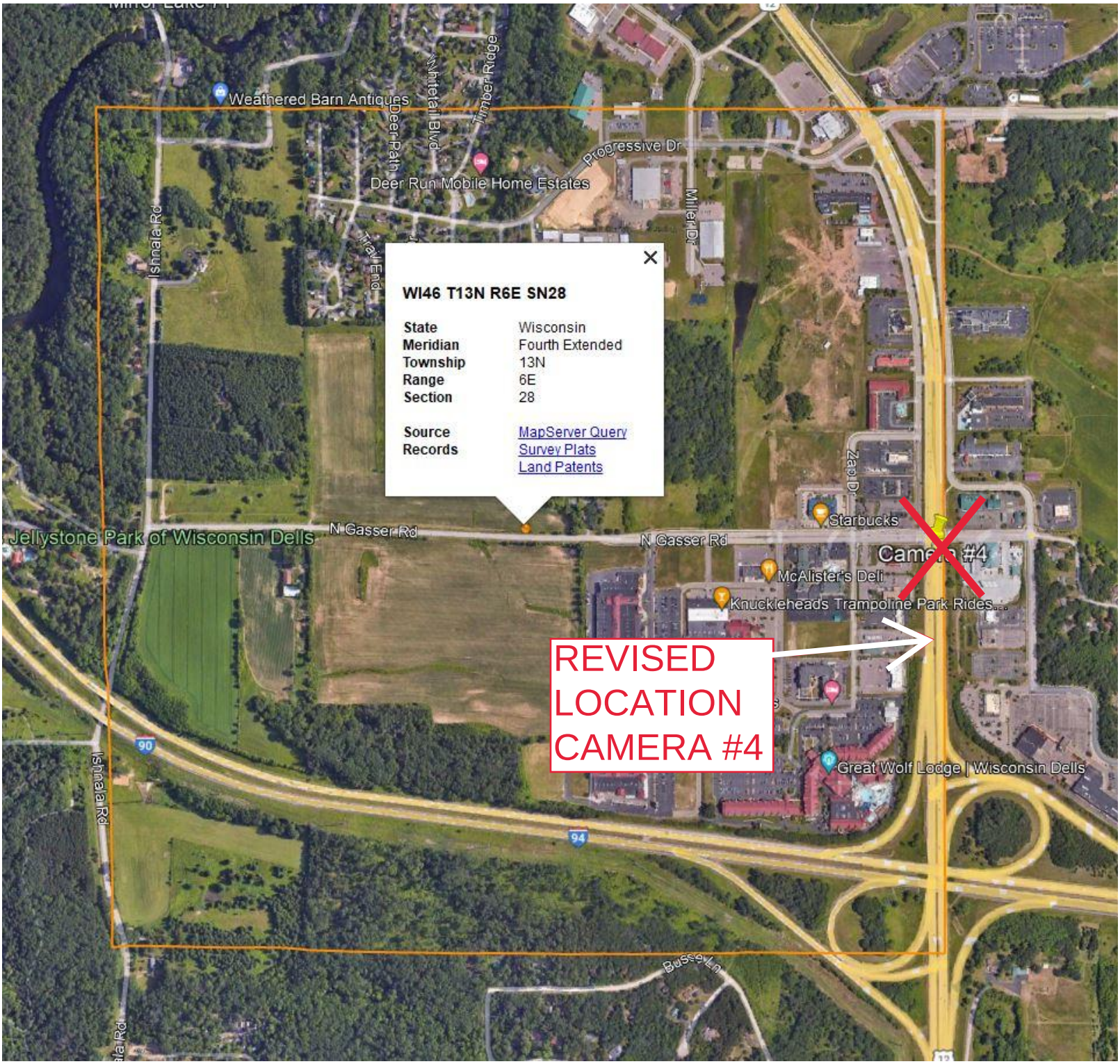
Install Anywhere

Solar &
Existing Pole

Solar &
Flock Pole

Electric &
Existing Pole


WI46 T13N R6E SN20
State Wisconsin
Meridian Fourth Extended
Township 13N
Range 6E
Section 20
Source MapServer Query
Records Survey Plats
Land Patents
Camera #1
Perlstein Resort and
Spring Brook
Baseball Field
Cara Ave
Cambrian Dr
Ridge Dr
Birchwood Rd
Dells City Taxi
Woodland Park Apart
Fieldstone Dr
90
JCC Chicago - Camp Chi (Summer)
W Adams St
N Burnett Ave
W Munroe Ave
W Munroe Ave
23
DaVita Lake Delton Dialysis
Kwik Trip #583
Crystal Grand Music Theatre
W Delavan St
Ralph Hines
Mathew St
McDonald's
S Burritt Ave
Country Road RV Park
Commerce Ct
Kossuth St
Xanadu Rd
Pine Cove Condominiu
Mirror Lake 71
Walmart Supercenter
The Home Depot
94
Xanadu Rd
Camp Delton Club
Xanadu Rd
Xanadu Rd
Tamarack Resort Wisconsin Dells


Weathered Barn Antiques
Deer Path
Whitetail Blvd
Timber Ridge
Deer Run Mobile Home Estates
Progressive Dr
Miller Dr
Ishnala Rd
Trail End
WI46 T13N R6E SN28
State Wisconsin
Meridian Fourth Extended
Township 13N
Range 6E
Section 28
Source MapServer Query
Records Survey Plats
Land Patents
Zap Dr
Starbucks
Jellystone Park of Wisconsin Dells
N Gasser Rd
N Gasser Rd
McAlister's Deli
Knuckleheads Trampoline Park Rides...
REVISED LOCATION CAMERA #4
Great Wolf Lodge | Wisconsin Dells
90
94
Ishnala Rd
Bussey Ln

Weathered Barn Antiques
Whitetail Blvd
Amber Ridge
Deer Path
Deer Run Mobile Home Estates
Progressive Dr
Miller Dr
Ishnala Rd
Trail End
WI46 T13N R6E SN28
State Wisconsin
Meridian Fourth Extended
Township 13N
Range 6E
Section 28
Source MapServer Query
Records Survey Plats
Land Patents
Zap Dr
Starbucks
Jellystone Park of Wisconsin Dells
N Gasser Rd
N Gasser Rd
McAlister's Deli
Knuckleheads Trampoline Park Rides...
Camera #5
Outlets at the Dells
90
Great Wolf Lodge | Wisconsin Dells
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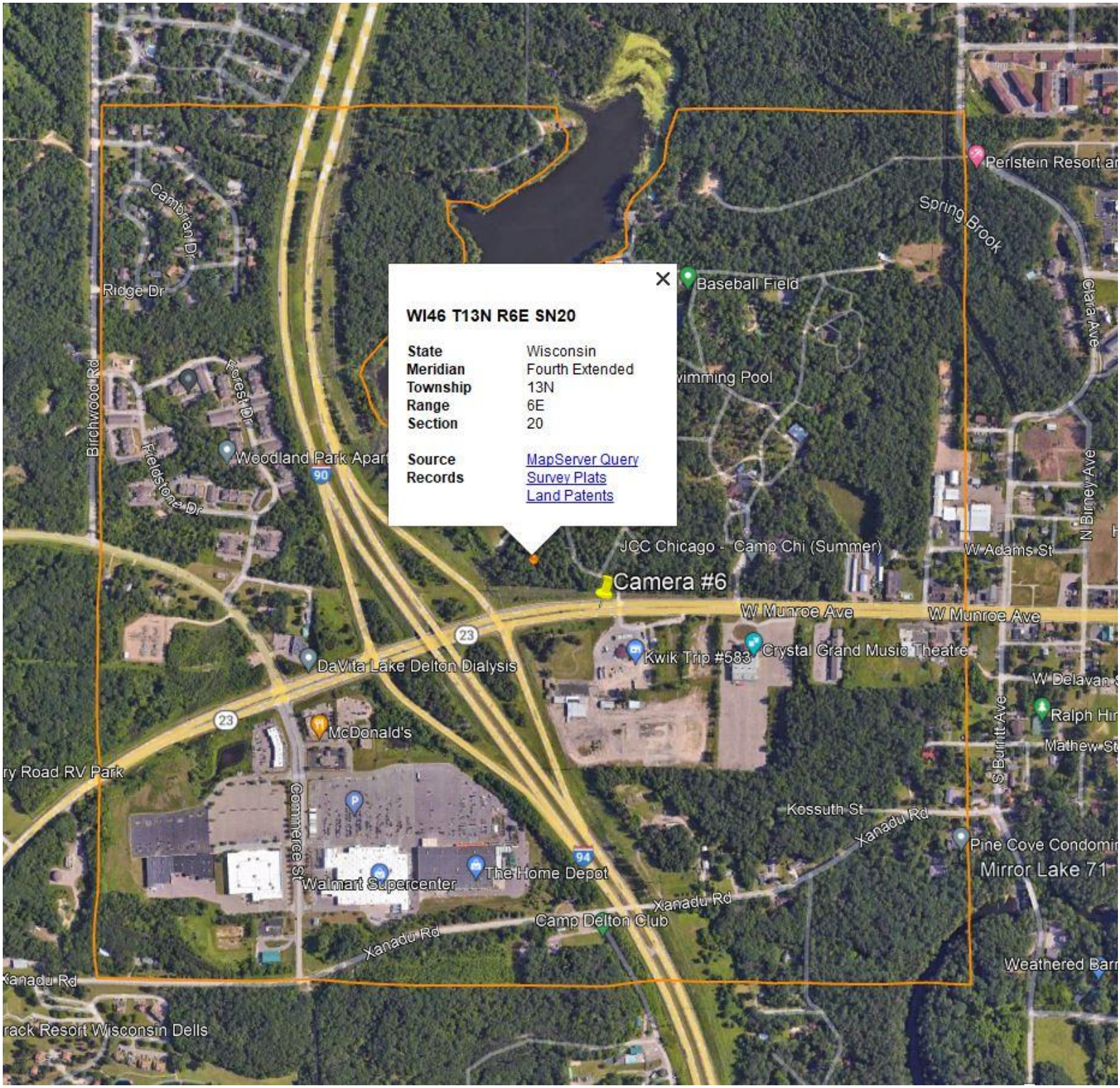
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W Adams St
N Binghay Ave
Clara Ave
W Munroe Ave
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23
DaVita Lake Delton Dialysis
Kwik Trip #583
Crystal Grand Music Theatre
McDonald's
Commerce St
Walmart Supercenter
The Home Depot
94
Kossuth St
Xanadu Rd
Pine Cove Condomir
Mirror Lake 71
Camp Delton Club
Xanadu Rd
Xanadu Rd
Weathered Barr
S Burritt Ave
Mathew St
W Delavan
Ralph Hir
ry Road RV Park
rack Resort Wisconsin Dells

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LAKE DELTON POLICE DEPARTMENT LICENSE PLATE READER INSTALLATION

JURISDICTION:

WISCONSIN DEPARTMENT OF TRANSPORTATION

SITE IDENTIFICATION

LAKE DELTON
POLICE DEPARTMENT
50 WISCONSIN DELLS PKWY S,
LAKE DELTON, WI 53940
(608) 254-7571

flock safety™

FLOCK SAFETY
1170 HOWELL MILL ROAD NW
SUITE 210
ATLANTA, GA 30318
PERMIT@FLOCKSAFETY.COM
415-669-0341

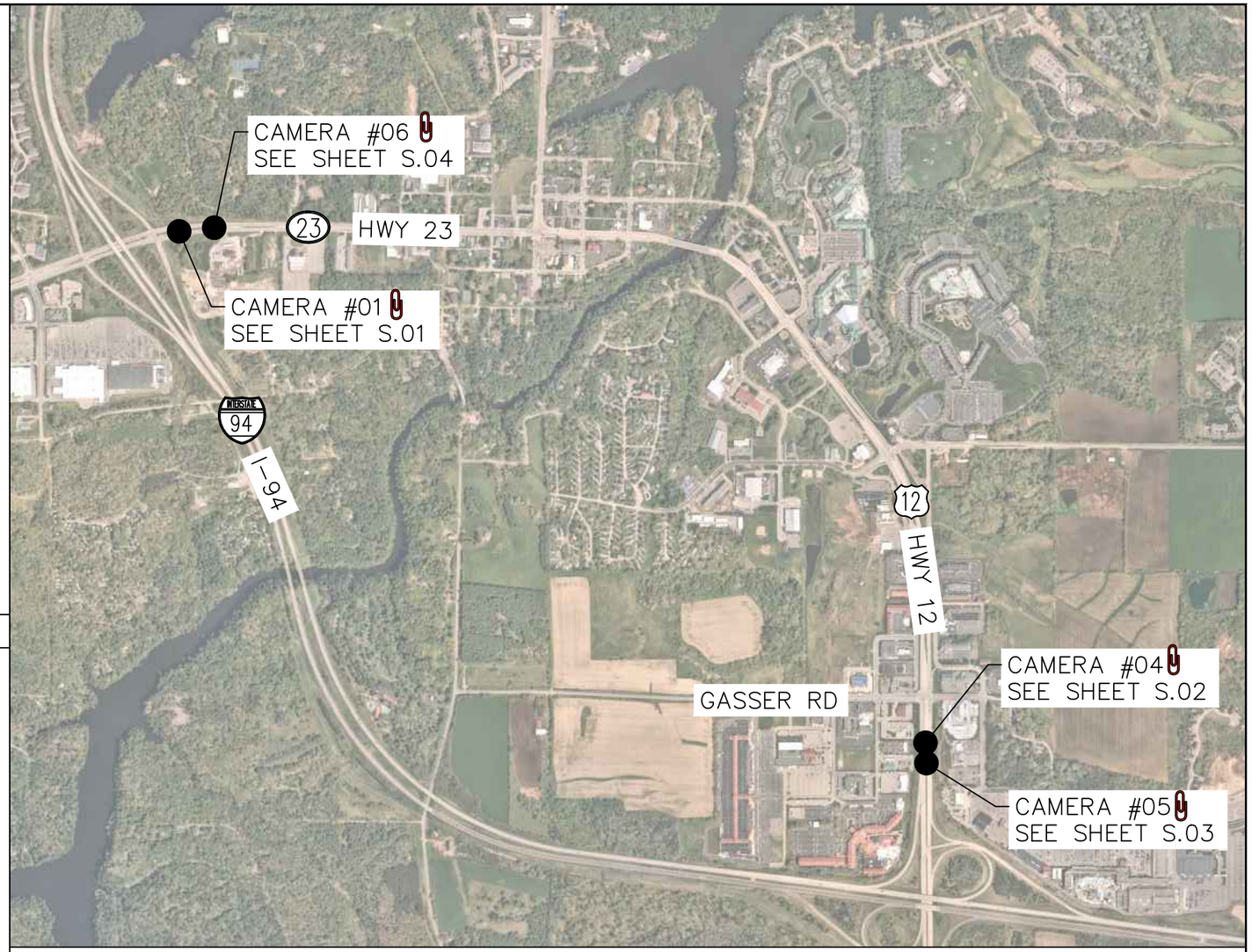
Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601 PHONE: (984) 275-3890
ATTN.: HEATHER THAYER, P.E.

PROJECT TEAM

INSTALLATION OF NEW POLE IN EXISTING RIGHT OF WAY SUPPORTING LICENSE PLATE READER CAMERA FOR THE LAKE DELTON POLICE DEPARTMENT.

PROJECT SUMMARY



VICINITY MAP

SHEET INDEX

SHEET #	SHEET TITLE	DRAWN BY
T.01	TITLE SHEET	RCG
T.02	SYMBOLOGY AND ABBREVIATIONS	RCG
S.01–S.04	SITE PLANS	RCG
D.01	EQUIPMENT AND FOUNDATION DETAILS	RCG
TC.01–TC.04	TRAFFIC CONTROL PLANS	RCG

811 Know what's below. Call before you dig.

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PROJECT INFORMATION:

LAKE DELTON
POLICE DEPARTMENT
LICENSE PLATE READER
INSTALLATION

PLANS PREPARED BY:

Kimley»Horn
421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601
PHONE: (919) 677-2000
WWW.KIMLEY-HORN.COM

REV: | DATE: | ISSUED FOR: | BY:

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0	06/05/23	PERMITTING	MRD

LICENSER:

WISCONSIN
HEATHER W. THAYER
50169-6
RALEIGH, NC
PROFESSIONAL ENGINEER
11/01/23

KHA PROJECT NUMBER:
014681002.1.100

DRAWN BY: RCG | CHECKED BY: KRM

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T.01

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GENERAL NOTES:

1. ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND FLOCK SAFETY PROJECT SPECIFICATIONS.

2. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

3. THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR ARE TO BE RESPONSIBLE FOR VERIFYING EXISTING SITE CONDITIONS, DIMENSIONS, AND THE LOCATION OF BURIED UTILITIES AT THE JOB SITE PRIOR TO THE COMMENCEMENT OF WORK. NO CLAIMS FOR EXTRA COMPENSATION FOR WORK RESULTING FROM CONFLICTS AND OMISSIONS WHICH COULD HAVE BEEN DISCOVERED BY FIELD VERIFICATION AND INSPECTION, WHETHER INDICATED IN THE CONTRACT DOCUMENTS OR NOT WILL BE ENTERTAINED OR PAID.

4. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.

5. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.

6. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.

7. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.

8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.

9. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFIRM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.

10. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.

11. FLOCK SAFETY AND CONTRACTOR ARE SOLELY RESPONSIBLE FOR DETERMINATION AND CONFIRMATION THAT THE PROPOSED POLE LOCATION IS WITHIN THE PUBLIC RIGHT OF WAY. SITE PLAN AND ALL REPRESENTATION OF RIGHT OF WAY PROPERTY LINES ARE APPROXIMATE BY NATURE AND HAVE BEEN PRODUCED WITHOUT THE BENEFIT OF A PROFESSIONAL LAND SURVEY.

TRAFFIC CONTROL NOTES:

1. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH APPLICABLE LAYOUTS FROM THE MOST RECENT VERSION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION (WISDOT) WISCONSIN WORK ZONE FIELD MANUAL (HTTPS://WISCONSINDOT.GOV/DTSDMANUALS/TRAFFIC-OPS/MANUALS-AND-STANDARDS/WZFM/WZFM.PDF) AND IN ACCORDANCE WITH THE WISCONSIN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD).

2. CONTRACTOR SHALL MEET THE TRAFFIC CONTROL DEVICE QUALITY STANDARDS AS REQUIRED IN THE FIELD MANUAL AND SHALL IMMEDIATELY REPLACE UNACCEPTABLE TRAFFIC CONTROL DEVICES. SIGNS THAT ARE DIRTY AND RESULT IN A NOTICEABLE LOSS OF REFLECTIVITY AT NIGHT ARE CONSIDERED UNACCEPTABLE AND MUST BE CLEANED OR REPLACED.

3. CONTRACTOR SHALL RESPOND PROMPTLY TO ANY CALL FROM THE ENGINEER CONCERNING THE NOTIFICATION OF UNACCEPTABLE TRAFFIC CONTROL DEVICES.

4. LAYOUTS FROM THE WISCONSIN WORK ZONE FIELD MANUAL ANTICIPATED TO BE UTILIZED, BUT MAY NOT BE FULLY INCLUSIVE OF ALL APPLICABLE LAYOUTS, INCLUDE LAYOUT 6, 15, 38, 52, 53 AND 71.

LEGEND

	EXISTING EASEMENT
	CONSTRUCTION FENCE
	EDGE OF PAVEMENT
ROW ROW ROW	RIGHT OF WAY
W	EXISTING WATER LINE
F	EXISTING FIRE WATER LINE
IRR	EXISTING IRRIGATION WATER LINE
S	EXISTING SANITARY SEWER LINE
SD	EXISTING STORM DRAIN LINE
UGE	EXISTING UNDERGROUND ELECTRIC LINE
G	EXISTING GAS LINE
T T T	EXISTING TELECOMMUNICATIONS LINE
UNK	EXISTING UNKNOWN UTILITY LINE
	WATER VALVE
	FIRE HYDRANT
	IRRIGATION VALVE
S Sa WW	SEWER MANHOLE
	SEWER CLEAN OUT
SW St D	STORM DRAIN MANHOLE
	GRATED INLET
	CATCH BASIN
	LIGHT POST
E	ELECTRIC PULLBOX / E BOX
E E VLT E	UTILITY VAULT
GV	GAS VALVE
	TREE
	SIGN
	BOLLARD
	DECORATIVE CONCRETE BALL
	HANDICAP PARKING
	GREASE TRAP
T C	COMMUNICATION VAULTS
	SURVEY CONTROL POINTS
MH MANHOLE	MISCELLANEOUS MANHOLES
ELECTRIC E UNKNOWN WATER W	
8	LICENSE PLATE READER CAMERA

Flock safety

PROJECT INFORMATION:

LAKE DELTON
POLICE DEPARTMENT
LICENSE PLATE READER
INSTALLATION

PLANS PREPARED BY:

Kimley»Horn
421 FAYETTEVILLE STREET,
SUITE 600,
RALEIGH, NC 27601
PHONE: (919) 677-2000
WWW.KIMLEY-HORN.COM

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LICENSER:

WISCONSIN
MICHAEL R
DOOLITTLE
E-46398
CARY
NC
PROFESSIONAL ENGINEER
06/13/2023

KHA PROJECT NUMBER:
014681002.1.100

DRAWN BY: RCG CHECKED BY: KRM

SHEET TITLE:
SYMBOLOGY AND ABBREVIATIONS

SHEET NUMBER:
T.02

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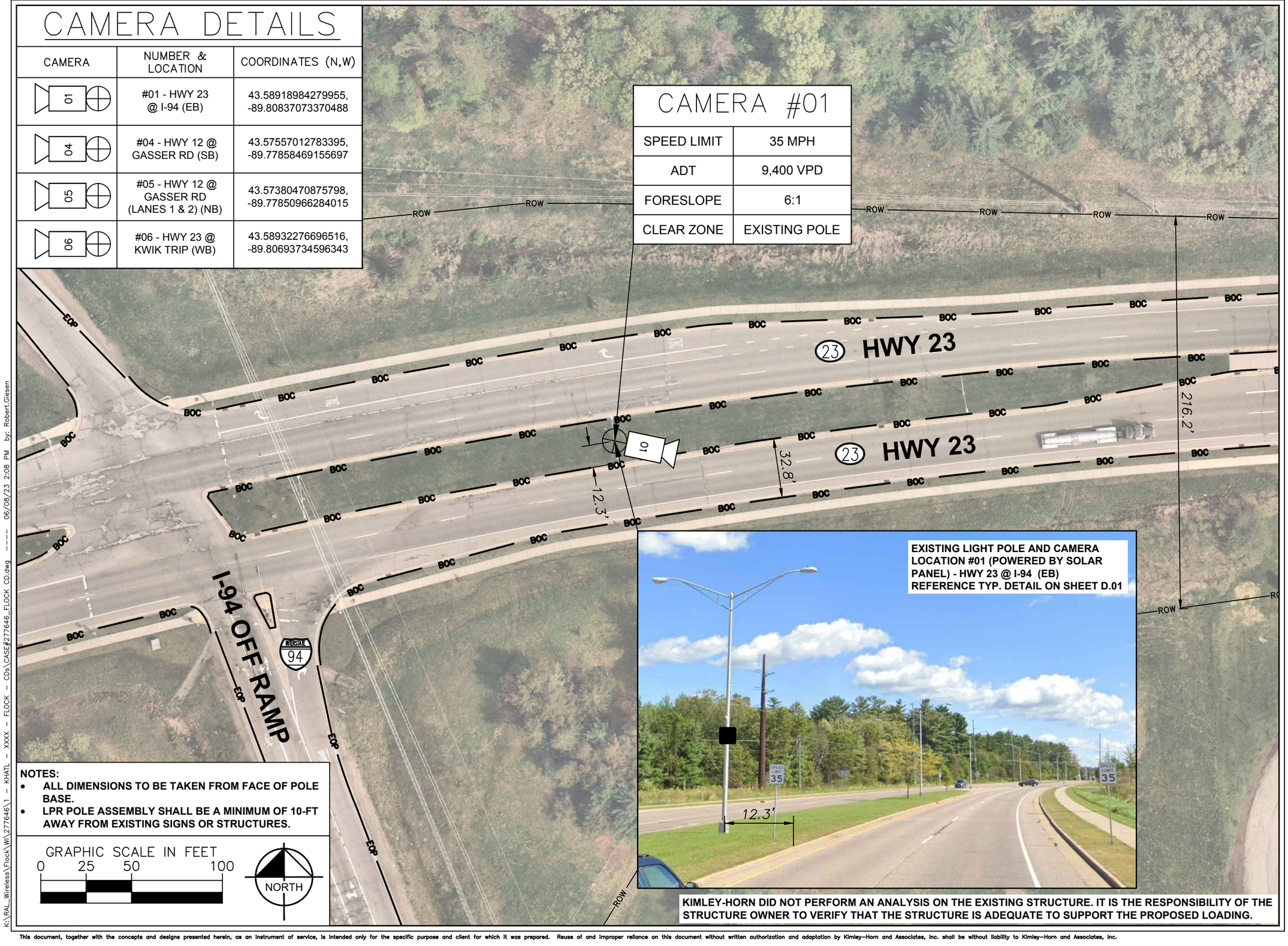
CAMERA DETAILS

CAMERA	NUMBER & LOCATION	COORDINATES (N,W)
01	#01 - HWY 23 @ I-94 (EB)	43.58918984279955, -89.80837073370488
04	#04 - HWY 12 @ GASSER RD (SB)	43.57557012783395, -89.77858469155697
05	#05 - HWY 12 @ GASSER RD (LANES 1 & 2) (NB)	43.57380470875798, -89.77850966284015
06	#06 - HWY 23 @ KWIK TRIP (WB)	43.58932276696516, -89.80693734596343

CAMERA #01

SPEED LIMIT	35 MPH
ADT	9,400 VPD
FORESLOPE	6:1
CLEAR ZONE	EXISTING POLE



EXISTING LIGHT POLE AND CAMERA LOCATION #01 (POWERED BY SOLAR PANEL) - HWY 23 @ I-94 (EB)
REFERENCE TYP. DETAIL ON SHEET D.01

NOTES:
- ALL DIMENSIONS TO BE TAKEN FROM FACE OF POLE BASE.
- LPR POLE ASSEMBLY SHALL BE A MINIMUM OF 10-FT AWAY FROM EXISTING SIGNS OR STRUCTURES.

GRAPHIC SCALE IN FEET
0 25 50 100
NORTH

KIMLEY-HORN DID NOT PERFORM AN ANALYSIS ON THE EXISTING STRUCTURE. IT IS THE RESPONSIBILITY OF THE STRUCTURE OWNER TO VERIFY THAT THE STRUCTURE IS ADEQUATE TO SUPPORT THE PROPOSED LOADING.

flock safety

PROJECT INFORMATION:

LAKE DELTON
POLICE DEPARTMENT
LICENSE PLATE READER
INSTALLATION

PLANS PREPARED BY:

Kimley»Horn
421 FAYETTEVILLE STREET,
SUITE 600,
RALEIGH, NC 27601
PHONE: (919) 677-2000
WWW.KIMLEY-HORN.COM

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LICENSER:

WISCONSIN
MICHAEL R DOOLITTLE
E-46398
CARY, NC
PROFESSIONAL ENGINEER
06/13/2023

KHA PROJECT NUMBER:
014681002.1.100

DRAWN BY:	CHECKED BY:
RCG	KRM

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
S.01

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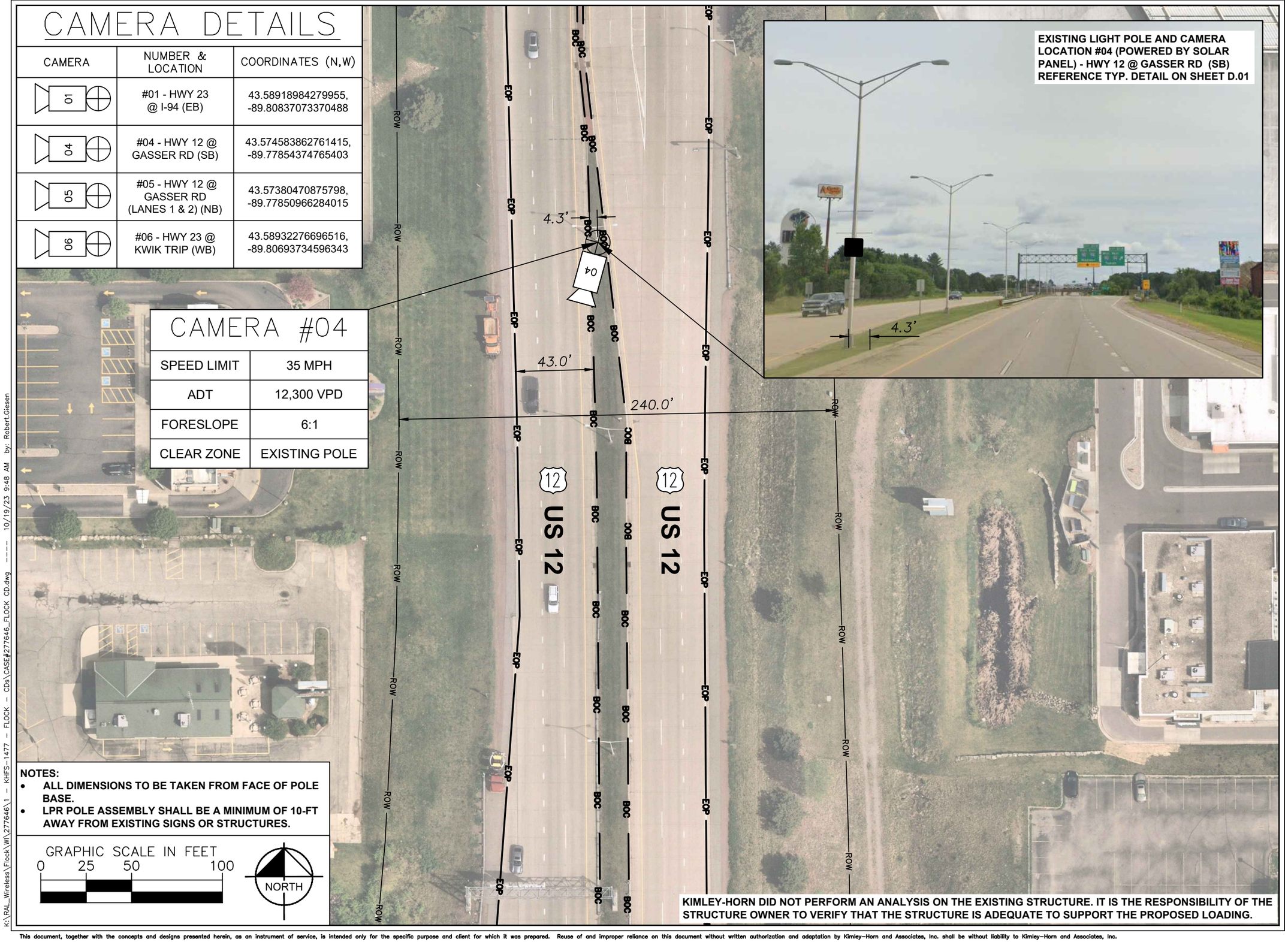
CAMERA DETAILS

CAMERA	NUMBER & LOCATION	COORDINATES (N,W)
01	#01 - HWY 23 @ I-94 (EB)	43.58918984279955, -89.80837073370488
04	#04 - HWY 12 @ GASSER RD (SB)	43.574583862761415, -89.77854374765403
05	#05 - HWY 12 @ GASSER RD (LANES 1 & 2) (NB)	43.57380470875798, -89.77850966284015
06	#06 - HWY 23 @ KWIK TRIP (WB)	43.58932276696516, -89.80693734596343

CAMERA #04

SPEED LIMIT	35 MPH
ADT	12,300 VPD
FORESLOPE	6:1
CLEAR ZONE	EXISTING POLE



NOTES:

- **ALL DIMENSIONS TO BE TAKEN FROM FACE OF POLE BASE.**
- **LPR POLE ASSEMBLY SHALL BE A MINIMUM OF 10-FT AWAY FROM EXISTING SIGNS OR STRUCTURES.**

GRAPHIC SCALE IN FEET
0 25 50 100

NORTH

KIMLEY-HORN DID NOT PERFORM AN ANALYSIS ON THE EXISTING STRUCTURE. IT IS THE RESPONSIBILITY OF THE STRUCTURE OWNER TO VERIFY THAT THE STRUCTURE IS ADEQUATE TO SUPPORT THE PROPOSED LOADING.

flock safety

PROJECT INFORMATION:

LAKE DELTON
POLICE DEPARTMENT
LICENSE PLATE READER
INSTALLATION

PLANS PREPARED BY:

Kimley»Horn
421 FAYETTEVILLE STREET,
SUITE 600,
RALEIGH, NC 27601
PHONE: (919) 677-2000
WWW.KIMLEY-HORN.COM

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LICENSER:

WISCONSIN
HEATHER W. THAYER
50169-6
RALEIGH, NC
PROFESSIONAL ENGINEER
11/01/23

KHA PROJECT NUMBER:
014681002.1.100

DRAWN BY:	CHECKED BY:
RCG	KRM

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
S.02

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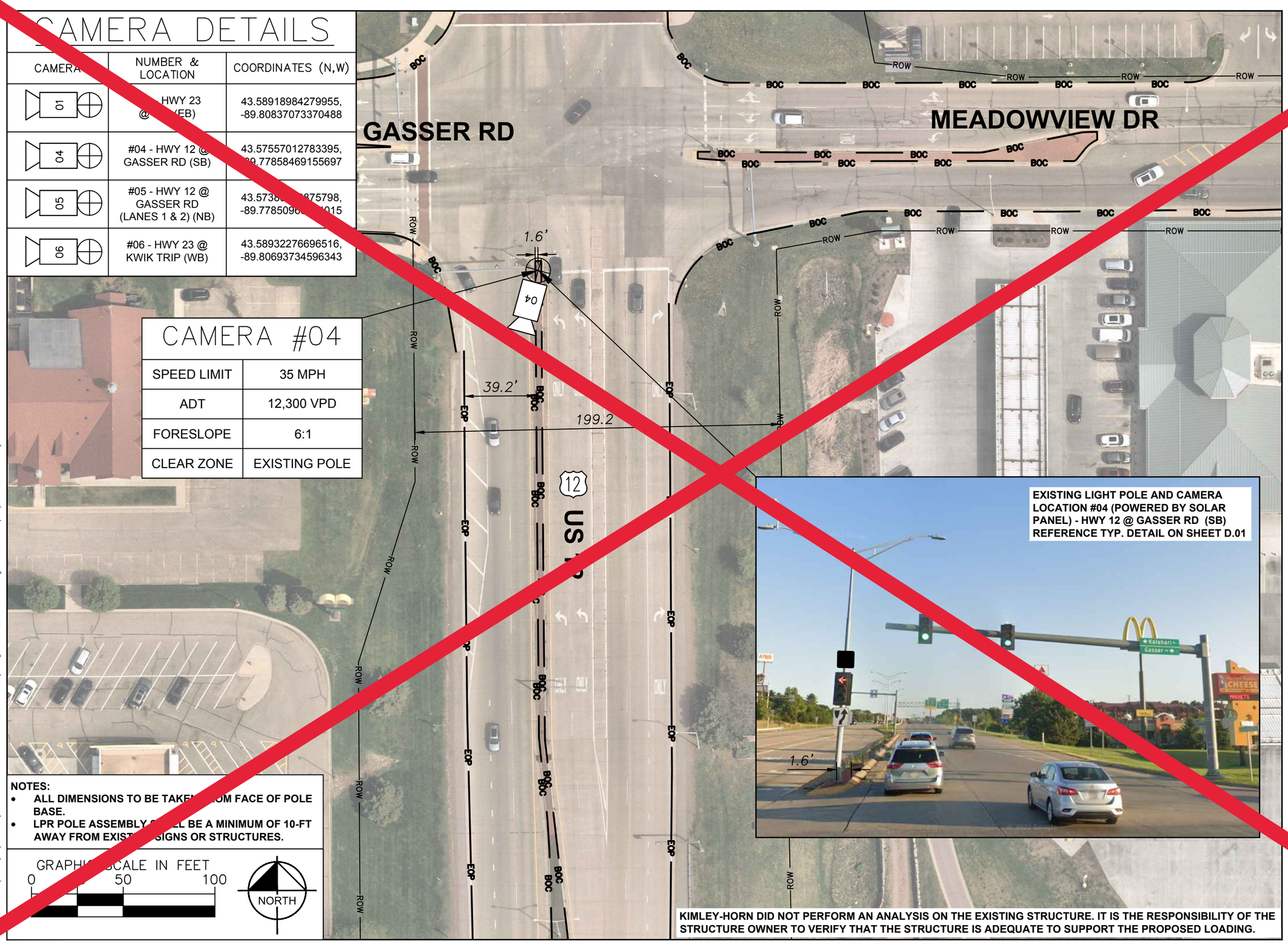
CAMERA DETAILS

CAMERA	NUMBER & LOCATION	COORDINATES (N,W)
01	HWY 23 @ (EB)	43.58918984279955, -89.80837073370488
04	#04 - HWY 12 @ GASSER RD (SB)	43.57557012783395, 89.77858469155697
05	#05 - HWY 12 @ GASSER RD (LANES 1 & 2) (NB)	43.5738 875798, -89.7785090 1015
06	#06 - HWY 23 @ KWIK TRIP (WB)	43.58932276696516, -89.80693734596343

CAMERA #04

SPEED LIMIT	35 MPH
ADT	12,300 VPD
FORESLOPE	6:1
CLEAR ZONE	EXISTING POLE



EXISTING LIGHT POLE AND CAMERA LOCATION #04 (POWERED BY SOLAR PANEL) - HWY 12 @ GASSER RD (SB)
REFERENCE TYP. DETAIL ON SHEET D.01

NOTES:

- ALL DIMENSIONS TO BE TAKE OM FACE OF POLE BASE.
- LPR POLE ASSEMBLY L BE A MINIMUM OF 10-FT AWAY FROM EXIST SIGNS OR STRUCTURES.

GRAPHI SCALE IN FEET
0 50 100
NORTH

KIMLEY-HORN DID NOT PERFORM AN ANALYSIS ON THE EXISTING STRUCTURE. IT IS THE RESPONSIBILITY OF THE STRUCTURE OWNER TO VERIFY THAT THE STRUCTURE IS ADEQUATE TO SUPPORT THE PROPOSED LOADING.

flock safety

PROJECT INFORMATION:

LAKE DELTON
POLICE DEPARTMENT
LICENSE PLATE READER
INSTALLATION

PLANS PREPARED BY:

Kimley»Horn
421 FAYETTEVILLE STREET,
SUITE 600,
RALEIGH, NC 27601
PHONE: (919) 677-2000
WWW.KIMLEY-HORN.COM

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LICENSER:

WISCONSIN
MICHAEL R DOOLITTLE
E-46398
CARY, NC
PROFESSIONAL ENGINEER
06/13/2023

KHA PROJECT NUMBER:
014681002.1.100

DRAWN BY:	CHECKED BY:
RCG	KRM

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
S.02

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CAMERA DETAILS

CAMERA	NUMBER & LOCATION	COORDINATES (N,W)
01	#01 - HWY 23 @ I-94 (EB)	43.58918984279955, -89.80837073370488
04	#04 - HWY 12 @ GASSER RD (SB)	43.57557012783395, -89.77858469155697
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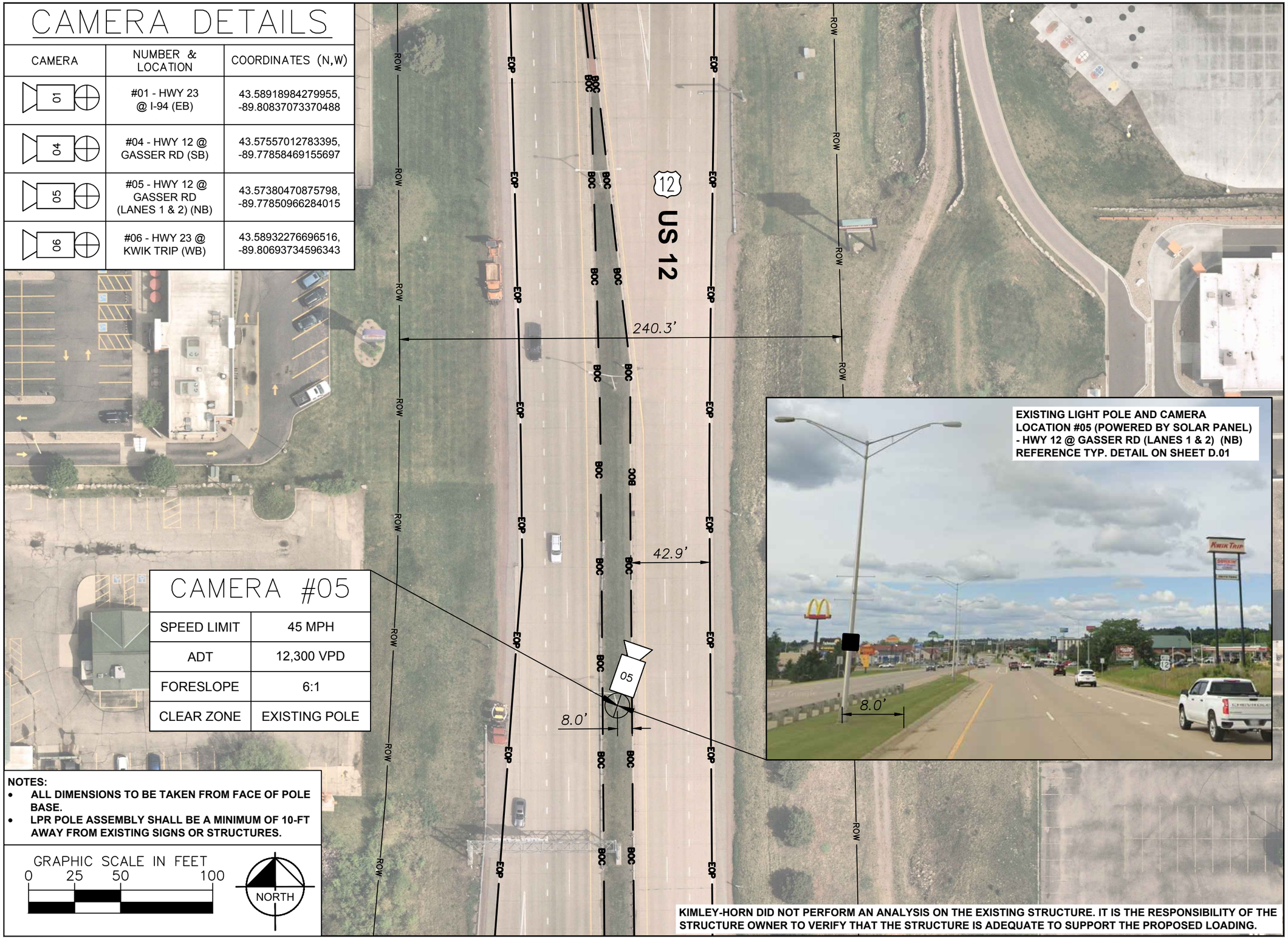

EXISTING LIGHT POLE AND CAMERA LOCATION #05 (POWERED BY SOLAR PANEL) - HWY 12 @ GASSER RD (LANES 1 & 2) (NB)
REFERENCE TYP. DETAIL ON SHEET D.01

CAMERA #05

SPEED LIMIT	45 MPH
ADT	12,300 VPD
FORESLOPE	6:1
CLEAR ZONE	EXISTING POLE

NOTES:
- **ALL DIMENSIONS TO BE TAKEN FROM FACE OF POLE BASE.**
- **LPR POLE ASSEMBLY SHALL BE A MINIMUM OF 10-FT AWAY FROM EXISTING SIGNS OR STRUCTURES.**

GRAPHIC SCALE IN FEET
0 25 50 100

NORTH

KIMLEY-HORN DID NOT PERFORM AN ANALYSIS ON THE EXISTING STRUCTURE. IT IS THE RESPONSIBILITY OF THE STRUCTURE OWNER TO VERIFY THAT THE STRUCTURE IS ADEQUATE TO SUPPORT THE PROPOSED LOADING.

flock safety

PROJECT INFORMATION:

LAKE DELTON
POLICE DEPARTMENT
LICENSE PLATE READER
INSTALLATION

PLANS PREPARED BY:

Kimley»Horn
421 FAYETTEVILLE STREET,
SUITE 600,
RALEIGH, NC 27601
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LICENSER:

WISCONSIN
MICHAEL R DOOLITTLE
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CARY, NC
PROFESSIONAL ENGINEER
06/13/2023

KHA PROJECT NUMBER:
014681002.1.100

DRAWN BY:	CHECKED BY:
RCG	KRM

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
S.03

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CAMERA DETAILS

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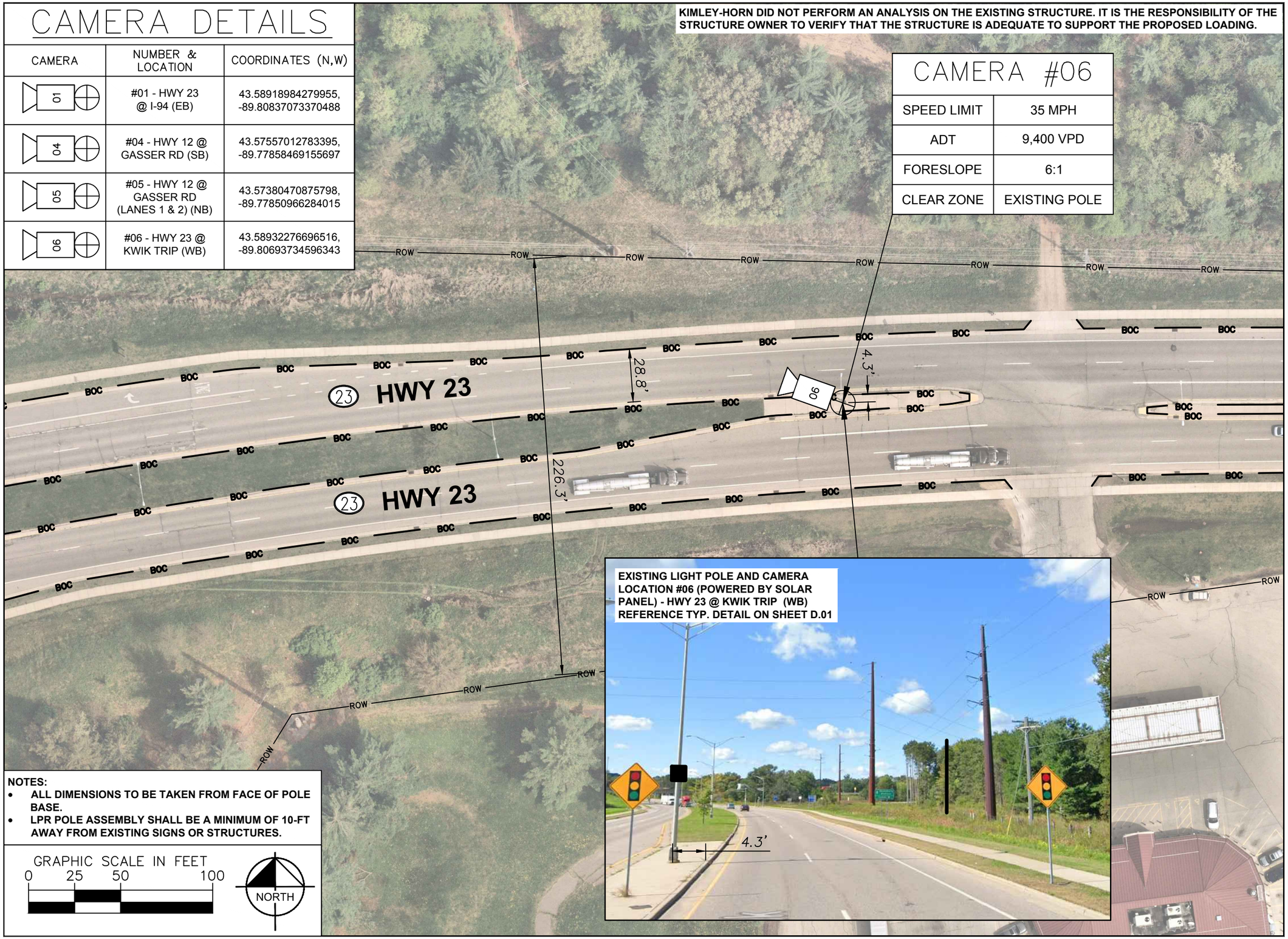
06	#06 - HWY 23 @ KWIK TRIP (WB)	43.58932276696516, -89.80693734596343

KIMLEY-HORN DID NOT PERFORM AN ANALYSIS ON THE EXISTING STRUCTURE. IT IS THE RESPONSIBILITY OF THE STRUCTURE OWNER TO VERIFY THAT THE STRUCTURE IS ADEQUATE TO SUPPORT THE PROPOSED LOADING.

CAMERA #06

SPEED LIMIT	35 MPH
ADT	9,400 VPD
FORESLOPE	6:1
CLEAR ZONE	EXISTING POLE



NOTES:

- **ALL DIMENSIONS TO BE TAKEN FROM FACE OF POLE BASE.**
- **LPR POLE ASSEMBLY SHALL BE A MINIMUM OF 10-FT AWAY FROM EXISTING SIGNS OR STRUCTURES.**

GRAPHIC SCALE IN FEET
0 25 50 100

NORTH

Flock safety

PROJECT INFORMATION:

LAKE DELTON
POLICE DEPARTMENT
LICENSE PLATE READER
INSTALLATION

PLANS PREPARED BY:

Kimley»Horn
421 FAYETTEVILLE STREET,
SUITE 600,
RALEIGH, NC 27601
PHONE: (919) 677-2000
WWW.KIMLEY-HORN.COM

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LICENSER:

WISCONSIN
MICHAEL R DOOLITTLE
E-46398
CARY, NC
PROFESSIONAL ENGINEER
06/13/2023

KHA PROJECT NUMBER:
014681002.1.100

DRAWN BY:	CHECKED BY:
RCG	KRM

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
S.04

K:\RAL_Wireless\Flock\WI\277646\1 - KHATL - XXXX - FLOCK - CDs\CASE#277646_FLOCK CD.dwg ---- 06/08/23 2:08 PM by: Robert.Giesen

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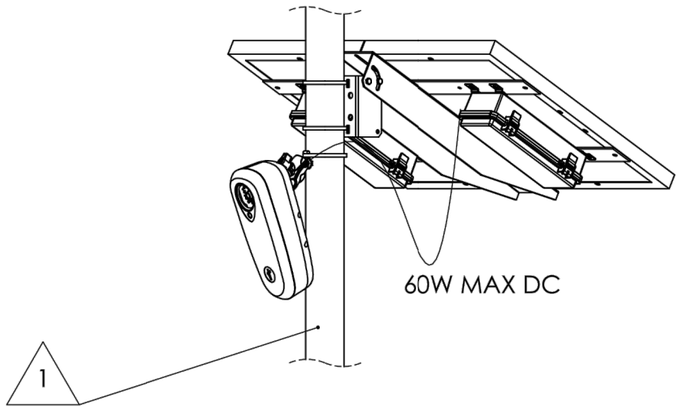
NOTES:

1. POLE SHOULD BE 2" - 3" IN DIAMETER
2. MAX WEIGHT OF SOLAR PANEL AND MOUNT IS 20.8 LBS (13063.45 GRAMS)

REVISION HISTORY

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL DRAWING	6/9/2020	CORRIGAN
B	UPDATE BOM TABLE AND WEIGHTS	6/9/2020	CORRIGAN



BILL OF MATERIALS

ITEM NO.	P/N	LIBRARY NAME	DESCRIPTION	QTY.	WEIGHT (LBS)
1	701-00059	Flock Safety Camera	The Flock Safety LPR camera used in all install types	1	3.6
2	701-00117	Double Panel - Side Mount	Double solar panel used for installation on existing utility, light, or traffic poles	1	15
3	702-00007	RAM Ball Mount & Adapter	Mount used to secure the Flock Safety LPR Camera to either a Flock pole or an existing utility, light, or traffic pole	1	1.4
4	701-00111	External Battery Pack	External battery used to increase battery capacity of the install for high traffic or low solar environments	2	4.4

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FLOCK SAFETY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FLOCK SAFETY IS PROHIBITED.

NEXT ASSY	USED ON	
APPLICATION		DO NOT SCALE DRAWING

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±1/16
ANGULAR: X.X ±3° X.XX ±1°
DECIMAL:
X.X ±.02 X.XX ±.01 X.XXX ±.005

MATERIAL

FINISH

	NAME	DATE
DRAWN		
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		

COMMENTS:

flock safety

SIDE POLE MOUNT - DOUBLE SOLAR PANEL WITH 2 EXTERNAL BATTERIES REV B

SIZE	DWG. NO.	REV.
A	905-00006	B

SCALE:1:20 SHEET 1 OF 1

flock safety

PROJECT INFORMATION:

LAKE DELTON
POLICE DEPARTMENT
LICENSE PLATE READER
INSTALLATION

PLANS PREPARED BY:

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421 FAYETTEVILLE STREET,
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LICENSER:

FOR REFERENCE ONLY

KHA PROJECT NUMBER:
014681002.1.100

DRAWN BY: RCG CHECKED BY: KRM

SHEET TITLE:

EQUIPMENT AND FOUNDATION DETAILS

SHEET NUMBER:

D.01

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TCP DESIGNED PER WISDOT FIELD MANUAL LAYOUT 52 AND 60

CAMERA SITE #01

Flock safety

PROJECT INFORMATION:

LAKE DELTON
POLICE DEPARTMENT
LICENCE PLATE READER
TRAFFIC CONTROL PLANS

PLANS PREPARED BY:

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LICENSER

WISCONSIN
MICHAEL R DOOLITTLE
E-46398
CARY, NC
PROFESSIONAL ENGINEER
06/13/2023

KHA PROJECT NUMBER:
014681002.1.100

DRAWN BY:	CHECKED BY:
WRB	MRD

SHEET TITLE:

TRAFFIC CONTROL PLAN

SHEET NUMBER:

TC.01

flock safety

PROJECT INFORMATION:

LAKE DELTON
POLICE DEPARTMENT
LICENCE PLATE READER
TRAFFIC CONTROL PLANS

PLANS PREPARED BY:

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LICENSER

WISCONSIN
HEATHER W. THAYER
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PROFESSIONAL ENGINEER
11/02/23

KHA PROJECT NUMBER

014681002.1.100

DRAWN BY:	CHECKED BY:
WRB	MRD

SHEET TITLE:

TRAFFIC CONTROL PLAN

SHEET NUMBER:

TC.02

TCP DESIGNED PER WISDOT FIELD MANUAL LAYOUT 52 AND 60

MEADOW VIEW DR

LANE CLOSED

CAMERA #4 LOCATION (PROPOSED POLE)

APPROXIMATE STAGING AREA

BACK OF CURB

ADJUSTED DUE TO INTERSECTION

150' 40' 210' 150' 100' 350' 350' 445'

US 12 (35 MPH)

100' 250'

CHANNALIZING DEVICES

N GASSER RD

350'

LANE CLOSED

ROAD WORK END

ROAD WORK AHEAD

LEFT LANE CLOSED AHEAD

ROAD WORK AHEAD

CAMERA SITE #04

0 75 150 300

GRAPHIC SCALE: 1" = 150'

flock safety

PROJECT INFORMATION:

LAKE DELTON
POLICE DEPARTMENT
LICENCE PLATE READER
TRAFFIC CONTROL PLANS

PLANS PREPARED BY:

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LICENSER

WISCONSIN
MICHAEL R DOOLITTLE
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06/13/2023

KHA PROJECT NUMBER

014681002.1.100

DRAWN BY:	CHECKED BY:
WRB	MRD

SHEET TITLE:

TRAFFIC CONTROL PLAN

SHEET NUMBER:

TC.03

TCP DESIGNED PER WISDOT FIELD MANUAL LAYOUT 52

CAMERA SITE #05

flock safety

PROJECT INFORMATION:

LAKE DELTON
POLICE DEPARTMENT
LICENCE PLATE READER
TRAFFIC CONTROL PLANS

PLANS PREPARED BY:

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LICENSER

WISCONSIN
MICHAEL R DOOLITTLE
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CARY, NC
PROFESSIONAL ENGINEER
06/13/2023

KHA PROJECT NUMBER:
014681002.1.100

DRAWN BY:	CHECKED BY:
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SHEET TITLE:

TRAFFIC CONTROL PLAN

SHEET NUMBER:

TC.04

TCP DESIGNED PER WISDOT FIELD MANUAL LAYOUT 52

CAMERA SITE #06

Flock safety

PROJECT INFORMATION:

LAKE DELTON
POLICE DEPARTMENT
LICENCE PLATE READER
TRAFFIC CONTROL PLANS

PLANS PREPARED BY:

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ATLANTA, GA 30308
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LICENSER

WISCONSIN
MICHAEL R DOOLITTLE
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CARY, NC
PROFESSIONAL ENGINEER
06/13/2023

KHA PROJECT NUMBER:
014681002.1.100

DRAWN BY:	CHECKED BY:
WRB	MRD

SHEET TITLE:

TRAFFIC CONTROL PLAN

SHEET NUMBER:

TC.05

Attachment 1 - Environmental Checklist

Note: To print the Checklist, click on the icon and set *Pages to Print* to "⊙ Pages 3-5"

Include this Checklist and any supplemental documentation with form dt1553, *Application/Permit to Construct, Operate and Maintain Utility Facilities on Highway Right-of-Way.* The application will be returned if the Checklist is not included or is incomplete.

Answer the following questions related to the proposed utility project to show environmental compliance or coordination with various agencies/Tribes. WisDOT's permit approval does not relieve a utility from compliance with all applicable federal, state, local and tribal laws, codes, regulations, and ordinances and shall not be construed as superseding any other governmental agency's more restrictive requirements. Keep all supporting documents on file with WisDOT's permit for its duration and provide upon request.

Remember: Supporting documentation may be required to prove environmental coordination with a regulatory agency on the Checklist. If an agency does not require documentation, a utility is not required to submit it to WisDOT. However, supply documentation if it may be helpful in WisDOT's review of the Checklist, e.g., permits, approvals, certifications, checklists, correspondence, website screenshots/PDFs, mapping, etc. Checkboxes that only have yes, no, or not applicable answers are automatically set to no or not applicable.

1. *Aquatic Resource Impacts*

Use the Wisconsin Wetland Inventory maps and the DNR Surface Water Data Viewer (SWDV) to identify waterways, surface waters and potential wetlands. These tools are not comprehensive, and field surveys may be required to identify aquatic resources within the footprint of a proposed project. Consult with Department of Natural Resources and U.S. Army Corps of Engineers as needed.

Does the proposed project have the potential to impact any aquatic resources (wetlands, waterways, etc.)?

☒ No – Skip to question 2 ☐ Yes – Continue below

State Wetland/Waterway Permit

Does the proposed project meet all necessary terms, conditions, and eligibility criteria to receive non-reporting coverage under the DNR utility general permit (DNR-GP3-2018) for wetland/waterway impacts?

☐ Yes – Project meets all requirements for DNR *non-reporting* utility general permit coverage

☐ No – Project received *reporting* utility general permit coverage or individual wetland/waterway permit
https://dnr.wisconsin.gov/topic/Sectors/UtilityPermitting.html

☒ Not applicable – Project is exempt from all wetland/waterway permitting requirements
Wetlands: https://dnr.wisconsin.gov/topic/Waterways/Permits/Exemptions.html
Waterways: https://dnr.wisconsin.gov/topic/Wetlands/permits/exemptions.html

☐ Not applicable – Project occurs wholly within boundaries of a Native American Nation or Tribal reservation and DNR does not have jurisdiction. See question 6.

Federal Wetland/Waterway Permit

Does the proposed project meet all necessary terms, conditions, and eligibility criteria to receive no-preconstruction notification (PCN) coverage under the USACE utility or other regional general permit (RGP) or a nationwide permit (NWP) for wetland/waterway impacts?
https://www.mvp.usace.army.mil/Missions/Regulatory/Permitting-Process-Procedures/

☐ Yes – Project meets all requirements for no-PCN coverage under a USACE RGP or NWP

☐ No – Project covered under USACE's RGP or NWP coverage obtained through submittal of a preconstruction notification or other Section 404 permit coverage.

☒ Not applicable – Project does not impact waters of the Unites States.

2. *Protected Species*

Projects with the potential to affect protected species must be covered under the DNR Broad Incidental Take Permit/Authorization for No/Low Impact Activities or undergo an endangered resources preliminary assessment or review. A preliminary assessment may be completed through the DNR Natural Heritage Inventory (NHI Public Portal). An endangered resources review may be conducted by a DNR certified endangered resources reviewer.

All components of the proposed project covered under this permit:

☒ Are covered by the DNR Broad Incidental Take Permit/Authorization for No/Low Impact Activities.

☐ Received one of the following results from the NHI Public Portal preliminary assessment or endangered species review. WisDOT encourages implementing DNR recommended actions.

- o No further actions are needed
- o Further actions are recommended
- o Further actions are strongly recommended

☐ Are implementing all required actions from the DNR endangered resources review. WisDOT also encourages implementation of DNR recommended actions.

☐ Are covered by an DNR Incidental Take Permit and/or USFWS coordination under the Endangered Species Act.

3. *Construction Site Stormwater Permits*

Projects that involve one acre or more of land disturbance require a utility to submit a Notice of Intent (NOI) erosion control permit under Wis. Adm. Code NR 216.

Does the proposed project affect one acre or more of land disturbance?

☒ No – Meets criterion ☐ Yes – Coordination completed

4. *Erosion Control Plan & Stormwater Management Plans*

Does the proposed project meet the Trans 401 "Major" category?

☒ No – Meets criterion for minor project ☐ Yes – Attach formal erosion control plan

For minor projects, immediately replace disturbed soil and topsoil and/or temporary seed and mulch the soil, which includes repairing equipment and vehicle tracks. Have erosion control devices (hay or straw bales, wattles, silt fence, erosion mat, etc.) at the site or immediately accessible in case weather conditions cause immediate action to protect bare or loose soil. Cover soil piles left overnight with plastic or protect with silt fence or other approved perimeter control devices on the downslope side to prevent possible runoff.

Does the proposed project require a Stormwater Management Plan?

☒ No – Meets criterion ☐ Yes – Coordination completed

For more information: DNR Erosion Control and Stormwater Management Plans

5. *Wisconsin Historic Preservation Database*

Are any historic resources located within the proposed project limits?

☒ No – Meets criterion ☐ Yes – Coordination completed

Contact: State Historic Preservation Office or go to: Wisconsin Historic Preservation Database

6. *Tribal Government Coordination*

Is any part of the work located within the reservation boundaries of a Native American Nation or Tribal reservation? Any utilities placed within a Native American Nation or Tribal reservation require Bureau of Indian Affairs (BIA)/Tribal approval prior to placing their facilities in WisDOT ROW.

☒ No – Meets criterion ☐ Yes – Coordination completed

Tribal Government Contacts: http://witribes.wi.gov/

Note: A utility must obtain a Tribal permit and BIA approval of a NEPA document to proceed with utility work on a STH within a Tribal Reservation. WisDOT's utility permit does not grant automatic approval.

7. *Open or Closed Contaminated Sites, DNR Water Supply Permit, Underground Storage Tanks (USTs), Leaking Underground Storage Tanks (LUSTs)*

Does the proposed project affect any of these items?

Decision \ Item	Contaminated sites	DNR water supply permit	USTs	LUSTs
No – Meets criterion	☒	☒	☒	☒
Yes – Coordination completed	☐	☐	☐	☐

DNR: Wisconsin Remediation and Redevelopment Database (WRRD) and Remediation & Redevelopment (RR) Program staff contacts

DATCP: MyDATCP: Storage Tank Search
Region Environmental Coordinators and Regionwide SWECE and Mega/Major project coordinators

8. *Asbestos*

Does the project include replacement of asbestos wrapped utility conduit or Transite piping?

☒ No – Meets criterion ☐ Yes – Document who will complete required notification to the DNR or DHS, the abatement methods, and the disposal location.

9. *Project Comments*

Provide any additional comments or extenuating circumstances that may assist in the review of the project's environmental coordination. List all utility work request, project plan set, or other identification numbers or references included in the environmental coordination and permitting of the project.

Certification Statement: Upon executing the signature below, the signatory certifies that the Checklist is complete, all information is accurate and true, and all required environmental compliance/coordination is complete and on file with the utility.

Disclaimer: Any change in project scope requires this Checklist to be resubmitted and certified to reflect the most updated set of project details.

Signature: Heather Thayer Date: 11/09/2022

Name & Title (print): Heather Thayer, Project Manager

Company: Kimley-Horn & Associates

Email: heather.thayer@kimley-horn.com